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Reviewer: Anne Corrigan

Timestamp: [year=2008; month=1; day=16; hr=13; min=6; sec=56; ms=46; ]

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Application No: 10564588 Version No: 2.0

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# SEQUENCE LISTING

<110> Lutter, Petra  
 Weingarten, Petra  
 Huls, Christoph  
 Meyer, Helmut E.  
 Schmitt, Edgar E.  
 Joneleit, Helmut E.

<120> Regulatory T-Cells containing Galectins for the Therapy and  
 Diagnosis of Diseases

<130> 14462-00006-US

<140> 10564588  
 <141> 2007-12-31

<150> PCT/EP2004/007890  
 <151> 2004-07-15

<150> DE10333406  
 <151> 2003-07-15

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 <213> Homo Sapiens

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 Pro Tyr Leu Gln Val Asp Phe His Thr Glu Met Lys Glu Glu Ser Asp  
 35 40 45  
 Ile Val Phe His Phe Gln Val Cys Phe Gly Arg Arg Val Val Met Asn  
 50 55 60  
 Ser Arg Glu Tyr Gly Ala Trp Lys Gln Gln Val Glu Ser Lys Asn Met  
 65 70 75 80  
 Pro Phe Gln Asp Gly Gln Glu Phe Glu Leu Ser Ile Ser Val Leu Pro  
 85 90 95  
 Asp Lys Tyr Gln Val Met Val Asn Gly Gln Ser Ser Tyr Thr Phe Asp  
 100 105 110  
 His Arg Ile Lys Pro Glu Ala Val Lys Met Val Gln Val Trp Arg Asp  
 115 120 125

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Glu Pro Tyr Leu Gln Val Asp Phe His Thr Glu Met Lys Glu Glu Ser  
35 40 45

Asp Ile Val Phe His Phe Gln Val Cys Phe Gly Arg Arg Val Val Met  
50 55 60

Asn Ser Arg Glu Tyr Gly Ala Trp Lys Gln Gln Val Glu Ser Lys Asn  
65 70 75 80

Met Pro Phe Gln Asp Gly Gln Glu Phe Glu Leu Ser Ile Ser Val Leu  
85 90 95

Pro Asp Lys Tyr Gln Val Met Val Asn Gly Gln Ser Ser Tyr Thr Phe  
100 105 110

Asp His Arg Ile Lys Pro Glu Ala Val Lys Met Val Gln Val Trp Arg  
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Asn Ser Arg Val Asn Gly Ala Trp Gln Tyr Glu Val Thr Cys His Asn  
35 40 45

Met Pro Phe Gln Asp Gly Lys Pro Phe Asn Leu Ser Ile Ser Val Pro  
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Pro Asp Lys Tyr

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20 25 30

Leu Asn Leu Gly Lys Asp Ser Asn Asn Leu Cys Leu His Phe Asn Pro  
35 40 45

Arg Phe Asn Ala His Gly Asp Ala Asn Thr Ile Val Cys Asn Ser Lys  
50 55 60

Asp Gly Gly Ala Trp Gly Thr Glu Gln Arg Glu Ala Val Phe Pro Phe  
65 70 75 80

Gln Pro Gly Ser Val Ala Glu Val Cys Ile Thr Phe Asp Gln Ala Asn  
85 90 95

Leu Thr Val Lys Leu Pro Asp Gly Tyr Glu Phe Lys Phe Pro Asn Arg  
100 105 110

Leu Asn Leu Glu Ala Ile Asn Tyr Met Ala Ala Asp Gly Asp Phe Lys  
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Ile Lys Cys Val Ala Phe Asp  
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20 25 30

Leu Asn Leu Gly Lys Asp Ser Asn Asn Leu Cys Leu His Phe Asn Pro  
35 40 45

Arg Phe Asn Ala His Gly Asp Ala Asn Thr Ile Val Cys Asn Thr Lys  
50 55 60

Glu Asp Gly Thr Trp Gly Thr Glu His Arg Glu Pro Ala Phe Pro Phe

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Gln	Pro	Gly	Ser	Ile	Thr	Glu	Val	Cys	Ile	Thr	Phe	Asp	Gln	Ala	Asp
			85					90					95		
Leu	Thr	Ile	Lys	Leu	Pro	Asp	Gly	His	Glu	Phe	Lys	Phe	Pro	Asn	Arg
		100					105						110		
Leu	Asn	Met	Glu	Ala	Ile	Asn	Tyr	Met	Ala	Ala	Asp	Gly	Asp	Phe	Lys
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Glu Pro Tyr Leu Gln Val Asp Phe His Thr Glu Met Lys Glu Glu Ser
              35              40              45

Asp Ile Val Phe His Phe Gln Val Cys Phe Gly Arg Arg Val Val Met
              50              55              60

Asn Ser Arg Glu Tyr Gly Ala Trp Lys Gln Gln Val Glu Ser Lys Asn
65              70              75              80

Met Pro Phe Gln Asp Gly Gln Glu Phe Glu Leu Ser Ile Ser Val Leu
              85              90              95

Pro Asp Lys Tyr Gln Val Met Val Asn Gly Gln Ser Ser Tyr Thr Phe
              100             105             110

Asp His Arg Ile Lys Pro Glu Ala Val Lys Met Val Gln Val Trp Arg
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Asp Ile Ser Leu Thr Lys Phe Asn Val Ser Tyr Leu Lys
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Gly Ser Thr Val Thr Ile Lys Gly Arg Pro Leu Val Cys Phe Leu Asn
              20              25              30

Glu Pro Tyr Leu Gln Val Asp Phe His Thr Glu Met Lys Glu Glu Ser

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35	40	45
Asp Ile Val Phe His Phe Gln Val Cys Phe Gly Arg Arg Val Val Met		
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Asn Ser Arg Glu Tyr Gly Ala Trp Lys Gln Gln Val Glu Ser Lys Asn		
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Met Pro Phe Gln Asp Gly Gln Glu Phe Glu Leu Ser Ile Ser Val Leu		
	85	90 95
Pro Asp Lys Tyr Gln Val Met Val Asn Gly Gln Ser Ser Tyr Thr Phe		
	100	105 110
Asp His Arg Ile Lys Pro Glu Ala Val Lys Met Val Gln Val Trp Arg		
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Asp Ile Ser Leu Thr Lys Phe Asn Val Ser Tyr Leu		
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Glu Pro Tyr Leu Gln Val Asp Phe His Thr Glu Met Lys Glu Glu Ser
35 40 45

Asp Ile Val Phe His Phe Gln Val Cys Phe Gly Arg Arg Val Val Met
50 55 60

Asn Ser Arg Glu Tyr Gly Ala Trp Lys Gln Gln Val Glu Ser Lys Asn
65 70 75 80

Met Pro Phe Gln Asp Gly Gln Glu Phe Glu Leu Ser Ile Ser Val Leu
85 90 95

Pro Asp Lys Tyr Gln Val Met Val Asn Gly Gln Ser Ser Tyr Thr Phe
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Asp His Arg Ile Lys Pro Glu Ala Val Lys Met Val Gln Val Trp Arg
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Asp Ile Ser Leu Thr Lys Phe Asn Val Ser Tyr
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<212> PRT  
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			20					25					30		
Glu	Pro	Tyr	Leu	Gln	Val	Asp	Phe	His	Thr	Glu	Met	Lys	Glu	Glu	Ser
		35					40					45			
Asp	Ile	Val	Phe	His	Phe	Gln	Val	Cys	Phe	Gly	Arg	Arg	Val	Val	Met
	50					55					60				
Asn	Ser	Arg	Glu	Tyr	Gly	Ala	Trp	Lys	Gln	Gln	Val	Glu	Ser	Lys	Asn
65					70					75					80
Met	Pro	Phe	Gln	Asp	Gly	Gln	Glu	Phe	Glu	Leu	Ser	Ile	Ser	Val	Leu
				85					90					95	
Pro	Asp	Lys	Tyr	Gln	Val	Met	Val	Asn	Gly	Gln	Ser	Ser	Tyr	Thr	Phe
		100						105					110		
Asp	His	Arg	Ile	Lys	Pro	Glu	Ala	Val	Lys	Met	Val	Gln	Val	Trp	Arg
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			20					25					30		
Glu	Pro	Tyr	Leu	Gln	Val	Asp	Phe	His	Thr	Glu	Met	Lys	Glu	Glu	Ser
		35					40					45			
Asp	Ile	Val	Phe	His	Phe	Gln	Val	Cys	Phe	Gly	Arg	Arg	Val	Val	Met
	50					55					60				
Asn	Ser	Arg	Glu	Tyr	Gly	Ala	Trp	Lys	Gln	Gln	Val	Glu	Ser	Lys	Asn
65					70					75					80
Met	Pro	Phe	Gln	Asp	Gly	Gln	Glu	Phe	Glu	Leu	Ser	Ile	Ser	Val	Leu
				85					90					95	
Pro	Asp	Lys	Tyr	Gln	Val	Met	Val	Asn	Gly	Gln	Ser	Ser	Tyr	Thr	Phe

100	105	110
Asp His Arg Ile Lys Pro Glu Ala Val Lys Met Val Gln Val Trp Arg		
115	120	125

Asp Ile Ser Leu Thr Lys Phe Asn Val
130 135

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Met Ser Leu Leu Pro Val Pro Tyr Thr Glu Ala Ala Ser Leu Ser Thr
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Gly Ser Thr Val Thr Ile Lys Gly Arg Pro Leu Val Cys Phe Leu Asn
20 25 30

Glu Pro Tyr Leu Gln Val Asp Phe His Thr Glu Met Lys Glu Glu Ser
35 40 45

Asp Ile Val Phe His Phe Gln Val Cys Phe Gly Arg Arg Val Val Met
50 55 60

Asn Ser Arg Glu Tyr Gly Ala Trp Lys Gln Gln Val Glu Ser Lys Asn
65 70 75 80

Met Pro Phe Gln Asp Gly Gln Glu Phe Glu Leu Ser Ile Ser Val Leu
85 90 95

Pro Asp Lys Tyr Gln Val Met Val Asn Gly Gln Ser Ser Tyr Thr Phe
100 105 110

Asp His Arg Ile Lys Pro Glu Ala Val Lys Met Val Gln Val Trp Arg
115 120 125

Asp Ile Ser Leu Thr Lys Phe Asn
130 135

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Met Ser Leu Leu Pro Val Pro Tyr Thr Glu Ala Ala Ser Leu Ser Thr
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Gly Ser Thr Val Thr Ile Lys Gly Arg Pro Leu Val Cys Phe Leu Asn
20 25 30

Glu Pro Tyr Leu Gln Val Asp Phe His Thr Glu Met Lys Glu Glu Ser
35 40 45

Asp Ile Val Phe His Phe Gln Val Cys Phe Gly Arg Arg Val Val Met  
50 55 60

Asn Ser Arg Glu Tyr Gly Ala Trp Lys Gln Gln Val Glu Ser Lys Asn  
65 70 75 80

Met Pro Phe Gln Asp Gly Gln Glu Phe Glu Leu Ser Ile Ser Val Leu  
85 90 95

Pro Asp Lys Tyr Gln Val Met Val Asn Gly Gln Ser Ser Tyr Thr Phe  
100 105 110

Asp His Arg Ile Lys Pro Glu Ala Val Lys Met Val Gln Val Trp Arg  
115 120 125

Asp Ile Ser Leu Thr Lys Phe  
130 135

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Glu Pro Tyr Leu Gln Val Asp Phe His Thr Glu Met Lys Glu Glu Ser  
35 40 45

Asp Ile Val Phe His Phe Gln Val Cys Phe Gly Arg Arg Val Val Met  
50 55 60

Asn Ser Arg Glu Tyr Gly Ala Trp Lys Gln Gln Val Glu Ser Lys Asn  
65 70 75 80

Met Pro Phe Gln Asp Gly Gln Glu Phe Glu Leu Ser Ile Ser Val Leu  
85 90 95

Pro Asp Lys Tyr Gln Val Met Val Asn Gly Gln Ser Ser Tyr Thr Phe  
100 105 110

Asp His Arg Ile Lys Pro Glu Ala Val Lys Met Val Gln Val Trp Arg  
115 120 125

Asp Ile Ser Leu Thr  
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35 40 45

Asp Ile Val